

# M A Saghai Maroof

## List of Publications by Year in descending order

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107  
papers

13,675  
citations

36303

51  
h-index

29157

104  
g-index

107  
all docs

107  
docs citations

107  
times ranked

7622  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mining germplasm panels and phenotypic datasets to identify loci for resistance to <i>Phytophthora sojae</i> in soybean. <i>Plant Genome</i> , 2021, 14, e20063.	2.8	13
2	Identification of Quantitative Disease Resistance Loci Toward Four <i>Pythium</i> Species in Soybean. <i>Frontiers in Plant Science</i> , 2021, 12, 644746.	3.6	7
3	Network Inference of Transcriptional Regulation in Germinating Low Phytic Acid Soybean Seeds. <i>Frontiers in Plant Science</i> , 2021, 12, 708286.	3.6	1
4	Genetic interactions regulating seed phytate and oligosaccharides in soybean ( <i>Glycine max</i> L.). <i>PLoS ONE</i> , 2020, 15, e0235120.	2.5	8
5	A transcriptional regulatory network of Rsv3-mediated extreme resistance against Soybean mosaic virus. <i>PLoS ONE</i> , 2020, 15, e0231658.	2.5	8
6	<i>Soybean mosaic virus</i> : a successful potyvirus with a wide distribution but restricted natural host range. <i>Molecular Plant Pathology</i> , 2018, 19, 1563-1579.	4.2	67
7	Inference of Transcription Regulatory Network in Low Phytic Acid Soybean Seeds. <i>Frontiers in Plant Science</i> , 2017, 8, 2029.	3.6	16
8	A Method for Combining Isolates of <i>Phytophthora sojae</i> to Screen for Novel Sources of Resistance to <i>Phytophthora</i> Stem and Root Rot in Soybean. <i>Plant Disease</i> , 2016, 100, 1424-1428.	1.4	12
9	Candidate Gene Sequence Analyses toward Identifying Rsv3 Type Resistance to Soybean Mosaic Virus. <i>Plant Genome</i> , 2016, 9, plantgenome2015.09.0088.	2.8	18
10	Identification of haplotypes at the Rsv4 genomic region in soybean associated with durable resistance to soybean mosaic virus. <i>Theoretical and Applied Genetics</i> , 2016, 129, 453-468.	3.6	37
11	Genome-wide transcriptome analyses of developing seeds from low and normal phytic acid soybean lines. <i>BMC Genomics</i> , 2015, 16, 1074.	2.8	18
12	Genetic variants in root architecture-related genes in a <i>Glycine soja</i> accession, a potential resource to improve cultivated soybean. <i>BMC Genomics</i> , 2015, 16, 132.	2.8	67
13	Metabolite Profiling of Soybean Seed Extracts from Near-Isogenic Low and Normal Phytate Lines Using Orthogonal Separation Strategies. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9879-9887.	5.2	11
14	Mapping Net Blotch Resistance in <i>Nomina</i> ™ and Clho 2291 Barley. <i>Crop Science</i> , 2014, 54, 2596-2602.	1.8	23
15	Physiological and transcriptomic characterization of submergence and reoxygenation responses in soybean seedlings. <i>Plant, Cell and Environment</i> , 2014, 37, 2350-2365.	5.7	86
16	The HC-Pro and P3 Cistrons of an Avirulent <i>Soybean mosaic virus</i> Are Recognized by Different Resistance Genes at the Complex <i>Rsv1</i> Locus. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 203-215.	2.6	63
17	Evolution of a Complex Disease Resistance Gene Cluster in Diploid <i>Phaseolus</i> and Tetraploid <i>Glycine</i> . <i>Plant Physiology</i> , 2012, 159, 336-354.	4.8	76
18	Registration of Fusarium Head Blight Resistant Soft Red Winter Wheat Germplasm VA04W433 and VA04W474. <i>Journal of Plant Registrations</i> , 2012, 6, 111-116.	0.5	7

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19	Amino acid changes in P3, and not the overlapping <i>pipo</i> -encoded protein, determine virulence of <i>Soybean mosaic virus</i> on functionally immune <i>Rsv1</i> genotype soybean. <i>Molecular Plant Pathology</i> , 2011, 12, 799-807.	4.2	56
20	Experimental Adaptation of an RNA Virus Mimics Natural Evolution. <i>Journal of Virology</i> , 2011, 85, 2557-2564.	3.4	33
21	Fine Mapping and Candidate Gene Discovery of the Soybean Mosaic Virus Resistance Gene, <i>Rsv4</i> . <i>Plant Genome</i> , 2010, 3, .	2.8	69
22	Mapping Quantitative Trait Loci for Partial Resistance to <i>Phytophthora sojae</i> in a Soybean Interspecific Cross. <i>Crop Science</i> , 2010, 50, 628-635.	1.8	53
23	Identification of Candidate Gene Mutation Associated With Low Stachyose Phenotype in Soybean Line PI200508. <i>Crop Science</i> , 2009, 49, 247-255.	1.8	43
24	Genetic Basis of the Low Phytate Trait in the Soybean Line CX1834. <i>Crop Science</i> , 2009, 49, 69-76.	1.8	53
25	Validation and Interaction of the <i>Soybean Mosaic Virus</i> Lethal Necrosis Allele, <i>Rsv1</i> , in PI 507389. <i>Crop Science</i> , 2009, 49, 1277-1283.	1.8	10
26	Infection and genotype remodel the entire soybean transcriptome. <i>BMC Genomics</i> , 2009, 10, 49.	2.8	50
27	Marker-assisted identification of resistance genes to soybean mosaic virus in soybean lines. <i>Euphytica</i> , 2009, 169, 375-385.	1.2	16
28	Spatial and temporal patterns of associations between quantitative characters and resistance to scald in barley. <i>Hereditas</i> , 2008, 115, 1-8.	1.4	0
29	Differential Accumulation of Retroelements and Diversification of NB-LRR Disease Resistance Genes in Duplicated Regions following Polyploidy in the Ancestor of Soybean. <i>Plant Physiology</i> , 2008, 148, 1740-1759.	4.8	140
30	Replication of Nonautonomous Retroelements in Soybean Appears to Be Both Recent and Common. <i>Plant Physiology</i> , 2008, 148, 1760-1771.	4.8	57
31	Pyramiding of Soybean Mosaic Virus Resistance Genes by Marker-Assisted Selection. <i>Crop Science</i> , 2008, 48, 517-526.	1.8	96
32	Validation of Low Phytate QTLs and Evaluation of Seedling Emergence of Low Phytate Soybeans. <i>Crop Science</i> , 2008, 48, 1355-1364.	1.8	21
33	A Modified Colorimetric Method for Phytic Acid Analysis in Soybean. <i>Crop Science</i> , 2007, 47, 1797-1803.	1.8	182
34	Validating molecular markers for barley leaf rust resistance genes <i>Rph5</i> and <i>Rph7</i> . <i>Plant Breeding</i> , 2007, 126, 458-463.	1.9	15
35	Confirmation of Three Quantitative Trait Loci Conferring Adult Plant Resistance to Powdery Mildew in Two Winter Wheat Populations. <i>Euphytica</i> , 2007, 155, 1-13.	1.2	55
36	Interrelationships among Agronomic and Seed Quality Traits in an Interspecific Soybean Recombinant Inbred Population. <i>Crop Science</i> , 2006, 46, 1253-1259.	1.8	45

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37	Application of comparative genomics in developing molecular markers tightly linked to the virus resistance gene Rsv4 in soybean. <i>Genome</i> , 2006, 49, 380-388.	2.0	54
38	Cloning, genetic and physical mapping of resistance gene analogs in barley ( <i>Hordeum vulgare</i> L.). <i>Plant Breeding</i> , 2006, 125, 32-42.	1.9	8
39	Validation of two major quantitative trait loci for fusarium head blight resistance in Chinese wheat line W14. <i>Plant Breeding</i> , 2006, 125, 99-101.	1.9	99
40	Potential for effective marker-assisted selection of three quantitative trait loci conferring adult plant resistance to powdery mildew in elite wheat breeding populations. <i>Plant Breeding</i> , 2006, 125, 430-436.	1.9	18
41	High-resolution mapping of the barley leaf rust resistance gene Rph5 using barley expressed sequence tags (ESTs) and synteny with rice. <i>Theoretical and Applied Genetics</i> , 2005, 111, 1651-1660.	3.6	23
42	Recombination Within a Nucleotide-Binding-Site/Leucine-Rich-Repeat Gene Cluster Produces New Variants Conditioning Resistance to Soybean Mosaic Virus in Soybeans. <i>Genetics</i> , 2004, 166, 493-503.	2.9	139
43	Detection and genotyping of SNPs tightly linked to two disease resistance loci, Rsv1 and Rsv3, of soybean. <i>Plant Breeding</i> , 2004, 123, 305-310.	1.9	74
44	A Diagnostic Analysis of Genetic Differentiation Among Subpopulations of a Barley Composite Cross Using Isozyme Markers. <i>Hereditas</i> , 2004, 118, 63-70.	1.4	2
45	RFLPs in Cultivated Barley and Their Application in the Evaluation of Malting Quality Cultivars. <i>Hereditas</i> , 2004, 121, 21-29.	1.4	8
46	Molecular Mapping of Leaf Rust Resistance Gene <i>Rph5</i> in Barley. <i>Crop Science</i> , 2003, 43, 388-393.	1.8	18
47	Molecular Mapping of Leaf Rust Resistance Gene 5 in Barley. <i>Crop Science</i> , 2003, 43, 388.	1.8	15
48	Genetic and Sequence Analysis of Markers Tightly Linked to the <i>Soybean mosaic virus</i> Resistance Gene, <i>Rsv3</i> . <i>Crop Science</i> , 2002, 42, 265-270.	1.8	99
49	Genetic and Sequence Analysis of Markers Tightly Linked to the Resistance Gene, 3. <i>Crop Science</i> , 2002, 42, 265.	1.8	47
50	Genetic and Sequence Analysis of Markers Tightly Linked to the Soybean mosaic virus Resistance Gene, Rsv3. <i>Crop Science</i> , 2002, 42, 265-270.	1.8	59
51	Identification of Molecular Markers Associated with Adult Plant Resistance to Powdery Mildew in Common Wheat Cultivar Massey. <i>Crop Science</i> , 2001, 41, 1268-1275.	1.8	106
52	Diversity and evolution of a non-TIR-NBS sequence family that clusters to a chromosomal "hotspot" for disease resistance genes in soybean. <i>Theoretical and Applied Genetics</i> , 2001, 103, 406-414.	3.6	39
53	Identification of quantitative trait loci controlling sucrose content in soybean ( <i>Glycine max</i> ). <i>Molecular Breeding</i> , 2000, 6, 105-111.	2.1	77
54	Targeted resistance gene mapping in soybean using modified AFLPs. <i>Theoretical and Applied Genetics</i> , 2000, 100, 1279-1283.	3.6	62

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55	Expression of two soybean resistance gene candidates shows divergence of paralogous single-copy genes. <i>Theoretical and Applied Genetics</i> , 2000, 101, 789-795.	3.6	19
56	Molecular Marker Mapping of <i>RSV4</i> , a Gene Conferring Resistance to all Known Strains of Soybean Mosaic Virus. <i>Crop Science</i> , 2000, 40, 1434-1437.	1.8	139
57	Patterns of cytosine methylation in an elite rice hybrid and its parental lines, detected by a methylation-sensitive amplification polymorphism technique. <i>Molecular Genetics and Genomics</i> , 1999, 261, 439-446.	2.4	456
58	Title is missing!. <i>Molecular Breeding</i> , 1998, 4, 129-136.	2.1	54
59	Epistasis plays an important role as genetic basis of heterosis in rice. <i>Science in China Series C: Life Sciences</i> , 1998, 41, 293-302.	1.3	6
60	<i>Rpg1</i> , a soybean gene effective against races of bacterial blight, maps to a cluster of previously identified disease resistance genes. <i>Theoretical and Applied Genetics</i> , 1998, 96, 1013-1021.	3.6	80
61	Molecular Mapping, Chromosomal Assignment, and Genetic Diversity Analysis of Phytochrome Loci in Barley ( <i>Hordeum vulgare</i> ). <i>Journal of Heredity</i> , 1997, 88, 21-26.	2.4	13
62	Importance of epistasis as the genetic basis of heterosis in an elite rice hybrid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 9226-9231.	7.1	660
63	Correlation between Molecular Marker Distance and Hybrid Performance in U.S. Southern Long Grain Rice. <i>Crop Science</i> , 1997, 37, 145-150.	1.8	61
64	Copia-like retrotransposons in rice: sequence heterogeneity, species distribution and chromosomal locations. <i>Plant Molecular Biology</i> , 1997, 33, 1051-1058.	3.9	27
65	Molecular marker diversity and hybrid sterility in indica-japonica rice crosses. <i>Theoretical and Applied Genetics</i> , 1997, 95, 112-118.	3.6	66
66	Extraordinarily polymorphic ribosomal DNA in wild and cultivated rice. <i>Genome</i> , 1996, 39, 1109-1116.	2.0	22
67	Regions of the Genome that Affect Agronomic Performance in Two-Row Barley. <i>Crop Science</i> , 1996, 36, 1053-1062.	1.8	191
68	Isolation of a superfamily of candidate disease-resistance genes in soybean based on a conserved nucleotide-binding site.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 11751-11756.	7.1	332
69	Identification of quantitative trait loci controlling resistance to gray leaf spot disease in maize. <i>Theoretical and Applied Genetics</i> , 1996, 93, 539-546.	3.6	86
70	Molecular-marker analysis of seed-weight: genomic locations, gene action, and evidence for orthologous evolution among three legume species. <i>Theoretical and Applied Genetics</i> , 1996, 93, 574-579.	3.6	134
71	An analysis of hybrid sterility in rice using a diallel cross of 21 parents involving indica, japonica and wide compatibility varieties. <i>Euphytica</i> , 1996, 90, 275-280.	1.2	68
72	Divergence and allelomorphic relationship of a soybean virus resistance gene based on tightly linked DNA microsatellite and RFLP markers. <i>Theoretical and Applied Genetics</i> , 1996, 92, 64-69.	3.6	30

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73	Amplified fragment length polymorphism (AFLP) in soybean: species diversity, inheritance, and near-isogenic line analysis. <i>Theoretical and Applied Genetics</i> , 1996, 93, 392-401.	3.6	234
74	Molecular marker heterozygosity and hybrid performance in indica and japonica rice. <i>Theoretical and Applied Genetics</i> , 1996, 93, 1218-1224.	3.6	96
75	Development of simple sequence repeat DNA markers and their integration into a barley linkage map. <i>Theoretical and Applied Genetics</i> , 1996, 93-93, 869-876.	3.6	323
76	Analysis of the barley and rice genomes by comparative RFLP linkage mapping. <i>Theoretical and Applied Genetics</i> , 1996, 92, 541-551.	3.6	90
77	Analysis of the barley and rice genomes by comparative RFLP linkage mapping. <i>Theoretical and Applied Genetics</i> , 1996, 92, 541-551.	3.6	22
78	Amplified fragment length polymorphism (AFLP) in soybean: species diversity, inheritance, and near-isogenic line analysis. <i>Theoretical and Applied Genetics</i> , 1996, 93, 392-401.	3.6	45
79	Identification of quantitative trait loci controlling resistance to gray leaf spot disease in maize. <i>Theoretical and Applied Genetics</i> , 1996, 93, 539-546.	3.6	8
80	Molecular divergence and hybrid performance in rice. <i>Molecular Breeding</i> , 1995, 1, 133-142.	2.1	85
81	Comparison of restriction fragment length polymorphisms in wild and cultivated barley. <i>Genome</i> , 1995, 38, 298-306.	2.0	34
82	Microsatellite and amplified sequence length polymorphisms in cultivated and wild soybean. <i>Genome</i> , 1995, 38, 715-723.	2.0	128
83	Construction of a sorghum RFLP linkage map using sorghum and maize DNA probes. <i>Genome</i> , 1994, 37, 590-594.	2.0	38
84	Molecular marker analyses of powdery mildew resistance in barley. <i>Theoretical and Applied Genetics</i> , 1994, 88, 733-740.	3.6	32
85	A diallel analysis of heterosis in elite hybrid rice based on RFLPs and microsatellites. <i>Theoretical and Applied Genetics</i> , 1994, 89-89, 185-192.	3.6	139
86	Comparative analysis of microsatellite DNA polymorphism in landraces and cultivars of rice. <i>Molecular Genetics and Genomics</i> , 1994, 245, 187-194.	2.4	198
87	Using bulked extremes and recessive class to map genes for photoperiod-sensitive genic male sterility in rice.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 8675-8679.	7.1	248
88	Extraordinarily polymorphic microsatellite DNA in barley: species diversity, chromosomal locations, and population dynamics.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 5466-5470.	7.1	558
89	RFLP Markers Linked to the Durable Stem Rust Resistance GeneRpg1in Barley. <i>Molecular Plant-Microbe Interactions</i> , 1994, 7, 298.	2.6	25
90	RFLP and Microsatellite Mapping of a Gene for Soybean Mosaic Virus Resistance. <i>Phytopathology</i> , 1994, 84, 60.	2.2	188

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91	A molecular, isozyme and morphological map of the barley ( <i>Hordeum vulgare</i> ) genome. <i>Theoretical and Applied Genetics</i> , 1993, 86, 705-712.	3.6	652
92	Isozyme variation within and among populations of <i>Rhynchosporium secalis</i> in Europe, Australia and the United States. <i>Mycological Research</i> , 1993, 97, 49-58.	2.5	82
93	Patterns of Restriction Fragment Length Polymorphisms in Corn, Barley and Rice. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1993, , 254-257.	0.0	0
94	Ribosomal DNA polymorphisms and the Oriental-Occidental genetic differentiation in cultivated barley. <i>Theoretical and Applied Genetics</i> , 1992, 84-84, 682-687.	3.6	28
95	Genetic diversity and differentiation of indica and japonica rice detected by RFLP analysis. <i>Theoretical and Applied Genetics</i> , 1992, 83, 495-499.	3.6	228
96	Use of RFLP markers to search for alleles in a maize population for improvement of an elite hybrid. <i>Theoretical and Applied Genetics</i> , 1992, 83-83, 903-911.	3.6	37
97	Interrelationships of allozymes and ribosomal DNA alleles in wild barley. <i>Euphytica</i> , 1992, 61, 113-122.	1.2	0
98	Molecular Marker Information and Selection of Parents in Corn Breeding Programs. <i>Crop Science</i> , 1992, 32, 301-304.	1.8	34
99	Molecular Markers and Grouping of Parents in Maize Breeding Programs. <i>Crop Science</i> , 1991, 31, 718-723.	1.8	138
100	Effects on adaptedness of variations in ribosomal DNA copy number in populations of wild barley ( <i>Hordeum vulgare</i> ssp. <i>spontaneum</i> ).. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 8741-8745.	7.1	47
101	Worldwide pattern of multilocus structure in barley determined by discrete log-linear multivariate analyses. <i>Theoretical and Applied Genetics</i> , 1990, 80, 121-128.	3.6	26
102	Genetic diversity and ecogeographical differentiation among ribosomal DNA alleles in wild and cultivated barley.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 8486-8490.	7.1	82
103	Genetic and molecular organization of ribosomal DNA (rDNA) variants in wild and cultivated barley.. <i>Genetics</i> , 1990, 126, 743-751.	2.9	40
104	Influence of environments on the development of multivariate structures in a barley composite cross at three locations. <i>Genome</i> , 1989, 32, 40-45.	2.0	3
105	Chloroplast DNA polymorphisms in lodgepole and jack pines and their hybrids.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 2097-2100.	7.1	409
106	Ribosomal DNA spacer-length polymorphisms in barley: mendelian inheritance, chromosomal location, and population dynamics.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 8014-8018.	7.1	4,434
107	Evolution of resistance to scald, powdery mildew, and net blotch in barley composite cross II populations. <i>Theoretical and Applied Genetics</i> , 1983, 66-66, 279-283.	3.6	21